

Photo Highlights
 Mobile Source Air Pollution Reduction Activity Fiscal Year 2006/2007



Above is the new **South Los Angeles LNG L/CNG Clean Fueling Station**, which was constructed within the last 18 months, opening on August 30, 2007. General Services Department did the majority of work on this project and the Bureau of Sanitation (BOS) funded the project. In FY 06/07, Bureau of Engineering (BOE) staff helped with the engineering and BOS staff also helped with station development, station personnel training, and ongoing station performance monitoring and quality assurance.

In past fiscal years, EAD staff obtained a total of \$450,000 in U.S. Department of Energy Clean Cities Program grants via the California Energy Commission to help with the development of this station and two older stations in the West and East San Fernando Valley (East Valley shown to right). EAD continues to monitor station progress in regard to grant requirements and perform related public outreach.



During FY06/07, a total of \$2,339,885 in mobile source air pollution reduction grant match/support funding was provided to the Bureau of Sanitation (BOS) for 29 liquefied natural gas (LNG) refuse collection vehicles (RCVs) and to the General Services Department (GSD) for the 25 compressed natural gas (CNG) street sweepers. A total of \$625,000 in mobile source air pollution reduction grant match money is allocated to BOS for 25 more LNG RCVs in FY 07/08.

In the previous fiscal year, EAD staff obtained over \$2,025,000 in grants to help purchase the above vehicles for GSD and BOS, as well as 6 CNG articulated airport shuttles for the Los Angeles World Airports (LAWA). EAD continues to provide support for these grant projects.



During FY06/07, BOS staff is coordinating **emission testing** on 12 representative refuse collection vehicles, including alternative fuel vehicles. Testing is being performed by the University of West Virginia. The University of California, Riverside is also **calculating pollutant emissions savings** from the City's entire alternative fuel fleet. Results will be available in FY07/08.

With 307 LNG vehicles, the City of Los Angeles has the largest municipally-owned alternative fuel solid resources collection fleet in the nation. With 54 CNG vehicles, the City's street sweeper fleet is approximately 1/3 alternative fuel and because only new alternative fuel sweepers are purchased, will be 100% alternative fuel soon.

During FY 2006/07, **EAD staff won \$3,222,712 in grant awards** to help with the purchase 102 CNG Commuter Express buses for the Department of Transportation (DOT), 21 CNG shuttles for LAWA, and 3 cleaner diesel off-road vehicles for BOS, in partnership with GSD.



An additional total of \$3,060,000 in mobile source air pollution reduction funds are committed to DOT over the next five years to help with their transition from diesel Commuter Express buses to CNG buses.



Technology demonstration car leases are funded for four Honda FCX Hydrogen Fuel Cell vehicles and a Toyota RAV 4 all electric vehicle.

Photo Highlights (continued)



DOT staff mans the City's **Automated Traffic Surveillance and Control (ATSAC) System Center** located in the basement of City Hall East. The Center controls, maintains, and sends out repair crews for signals at over 3,304 intersections which are under real time camera surveillance and controllable from the Center. ATSAC plans to control a total of 4,392 signaled intersections in the future. Due to the decreased vehicle idling at intersections and improved traffic flow, a reduction of approximately 7 million pounds of pollution per year occurs due to ATSAC operations.



Mobile source air pollution reduction funding helps support the City's **Rideshare Projects** (Transit Subsidies, Carpooling, Vanpooling, Bicycle/Walk to Work Subsidies) and the City's **Bicycle Patrols for Clean Air Project**. These projects help reduce the number of vehicle miles traveled by City employees. Over 44 million vehicle miles are conserved per year by these programs. Our established bicycle patrols (i.e. police, fire medics, GSD, Harbor, LAX, and LA Zoo security officers, parking enforcement officers, and park rangers) were joined this fiscal year by City park lifeguards (lakes) and downtown street inspectors. Almost 500 bicycles are in active patrol, traveling some 2.5 million miles a year.



Since 1996, the City of Los Angeles government fleets have been designated under a U.S. Department of Energy Program (Clean Cities Program) as the "**Los Angeles Clean Cities Coalition**." The award winning coalition includes the City's Interdepartmental Alternative Fuel Taskforce (City fleet managers and representatives) as well as nonprofit and private partners. The coalition's directive is to further the deployment of alternative fuel vehicles and fuel economy programs in the City, while improving air quality and conserving conventional petroleum fuels.

EAD chairs and coordinates the coalition, survey progress for the U.S. DOE, the Mayor and Council Offices, and interface with some 90 other Clean Cities coalitions, nationwide, in related information exchange and outreach activities. The mobile source air pollution reduction program, which includes alternative fuel vehicle acquisitions and fuel economy programs (rideshare, ATSAC, bicycle patrols, idle control) conserve approximately 10.6 million gallons of gasoline gallon equivalents each year. The LA Clean Cities Coalition is hard at work bringing blue skies to Los Angeles more often, while conserving conventional petroleum fuels.

